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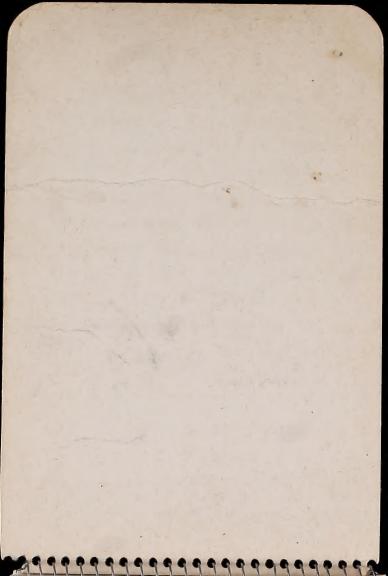
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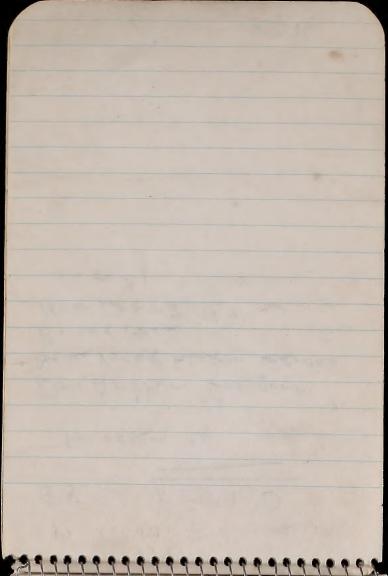
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for return to

Dr. Arthur Cronquist New York Botanical Garden Bronx Part New York 5-8, 14.4

N. 576



9408 - July 2, 1961 - Cranquist + Noel Holingen, apen, rocky, granitic, rather loose, south west slope just under the summit of abajo teal; abajo Mets, west of monticello, Jan Juan Co, Wale Trys, 345, R. ZZE, about S.12. Elevation 11, 300 feet, Stems 1- several, Flowers blue - lavender Phacelia sericea (Grah.) Gray var. cilissa Rydb. Phocelia sericia (20

9409 - July 2, 1961 - Cranquist + Moel Holugien. Lampeace 08408. Flamers white. avenavia (15) 199999999999999999999999999 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 9410- July 2,1961- famos Cronquist & Moel Holmgren. Lamplace as 9405. Flavor blue, Stems clustered on a taprost and branching Lupinus argenteus Purch, sens, lat. Lupine (9)

9411 - July 2, 1961 - Cranquist + Moel Holmpen, Rocky, Frantic, northwest slope Just render the rummit of abajoreah; abajo mts, east of Monticello, San Juan Co., utah, Tryp, 345, R, 228, about S. 12. Elevation 11,340 feet. Plants in small trufts, without long whizenes, Inflorescence nudding. Carex exapillosa Mach engin have buy in my same the strain of the Cores (13)

99999999999999999999

9412- July 2, 1961- Cranquist + Noel Holmgren, Loose, granitic, southwest - facing road cut a little below the summit of abojo Peak; abajo Mts. mest of montirello, San Juan Co., Utah, Tup. 345, R. 22E, about S. 12, Elevation 11,100 feet. Flowers white. Cerastium beeringianum Cham. + Schlecht. of Marked Land Low, Or astrim (20) Cenastin

7413 - July 7, 1961 Cranquist & Moel Holmgren, apen, grassy southwest slope just west of Vichson Pass; abajo mts, west of Monticello, San Juan Co, Mah. Turpe 345., R. 228., about 5.13. Elevation 10,500 feet Plants mephitic, mostly singlestemmed, typically mono. carpia, but samitimes bloming for 2 years. Corolla penh, the limb finely penh spotted on a nearly white background. Gilia aggregata (Pursh) Spreng. appr. var. attenusta Gray & DV Gelia aggregata

9414 July 2, 1961 Coonquist I noil Holmquer. Lame place as 9413, Flavers blue. Stems clustered an ataprost and branching caudey. Expense alpestres G. Hels. Lupinus argenteus Pursh, seus.

945- July 2, 1961- Franquist

Granitic substrate at Oishson

Pass; abays 1874, west of

Montirello, Lan Juan Co., Utah.

Trops. 345, R.22E., about 5, 13

Elevation 10, 450 flet.

anemone globosa Mutt.

anemone globara

1

......... 9416-fuly 2, 1961- Counquist + Moel Holongran. Same place 1 9415. Plentiful here, but frest blginning to bloom. Kays white as blook. Erigeren abajoensis Irong. 01 in an alajaines

Cranquist + 1/sel Holmgon Lame place as 9415. Flowers yellow. Forming with # 9418 p. coming was conciona, and much resembling ... , but with pinnete instead The Conate leaves Potentilla concinna Jehm. var. rubripes (Rydl. ) C. L. Vitche.

Polentilla-vinste (5)

4 Moel Halmgren. & Same place p. Consinue var. rubrigges, and much resembling it, but with palmate instead of simule leaves. Flowers yellow. Potentilla concinna Lehim. vat. concinna Filentille innet D

419 - July 2, 1961 Cranquist I Mali Holingen, Some place as 9415. Flamersyellan, the jutues subsciet and more a constent have in many other species of Potentilla note only one n! Potentilla pensylvenica L., sens. lat. potentilla-enert pet, (13) 

9420- July 2, 1961 Consequent + noel Holongren - Lave, rocky, granitic orandside banks, a little northwest of South Peak; align Mits, west of Montice Clo, San Juan Co., Utah. Tup. 345., R. 22 E., about S.13. Elevation 10, 200 feet. Flowers yellow. Draba aurea Vall (2)/

7471 - July 2, 1961 Cranquist + Mail Holman Loose, rocky (granitie) road cuts on the southwest ridge of couch Peale; aliajomes, west of Montes els. San Juan Co, Utale. Tup. 3 45., R. 22 E. Mont S. 23. Elevation 9700 feet. Flowers an unusual dark p shade of back purple, appearing some what blackish in the shalow more always reddishing transmitted light. Penstemon whippleams Bray (13) Plus Emma

4422 July 2, 1961 - Ovengorist L'Nol Holmgren - Rocky, granitie sail an southwest slope of South Peak; abajo mits. west of montirello, In Juan Co., utah. Tmp. 345, R. 2 25, near the southwest Corner of S. 2 4. Elevation 9 600 feet. Ray white to light blue-lavereder. Erigeron abajoensis Cronq. 

9. 2 - July 2,1961. Mist soil along small stream in wash just below tame springs, about 15 miles south of moch, San Juan Co., Utah. Tmp. 285., R. 22 E., S. 1. Elevation 5000 feet. Brackstipped Upper bracks tipped with bright red, Plants single stemmed, apparently short - hied. Castilloja exiles a. Mels. drept. let. Marion occurbay

Castilleja (6)





9424-July 3, 1961 - Cranquist I 'Noel Holingson. Very sandy soil in the desert 52 miles northest of Hankswille Wayne Co., Wale. Trups, 275., R.11E. Elevation about 5000 feet . Flavors papery white. Heliotropium convolvulaceum (Mutt.) Gray nhite borage (7)

9425 - July 4, 1961 - Cronquist Holing ven. With sagelingh and scattered treschong Bull week, a little southwest of Bulling, Henry Mts, 20 miles south of Hanksmille, Garfield Co., Utali Trop. 315, R.10E., about 5.12. Elevation about 7500 feet, Stems clustered or solitary. Flowers light blue ( the tube paler than the lineb), waring to accessionally Lavenden-peak Penstemon comarchenus Gray Pens timone & wieter (32)

bededdddddddddd 9426 - July H. 1961 - Coorganst + Wall Hating, en - Same place as 9:425, Flavers bright red, Herbege somewhat glancous. Penstemen bridgesic Gray

9 427 July 4, 1961-With reattered ponderson pines Clarg Bull Creek, a little southwest of Bull Mit; Jenny mets., 20 miles south of Hanhsville, Garfield Co., Utale. Twp. 315., R. 10E., about 5.12. Elevation about 75 oofest. Flowers white the banner with purple lines. actragalus tenellus Purch det. R. C. Barnely

astrogalus DV

9428 - July 4, 1961 - Cranquest I Well Hulmgren - Weta With scattered trues in dry much just of Pullanch a little southwest of Bull Met; Henry Mets., 20 miles south of Hanhaville, Sarfield Co., utal. Twp315., R. 108. about 5.12, Should 1-2 mi tall. Flowers whitesle, Holodiscus dumosus (Mutt.) Heller war. glabrescens (Greenm.) C. L. Hitchs. Waladisens 17

9429- July 4, 1961 Cranquist + Well Holmquen In agen aspengroves along Belliceh : little southwest of Bull Mx. Henry mets., To miles south Trop. 315., RIOE, about 5.12. Elevation about 7500 feet. Plants up to about 1 in tall, with clustered stems. Flowers blue lavender. Lupinus argenteus Pursh, sens. lat. Lupine (2) /. 

9430-July 5, 1961 Cronquest + 1/20 , valingon. Open, rocky Franctic point overlowhing . Il east book of Bull Creek; Hinny Mits. chut 24 miles south Hanksuille, Garfield Co., Utale. Tmp.315. R.108., S. 23r Clevation about 95 00 feet Rays blue-lavender. Erigeren abajsensis Crong. caespitosus (20) Exigeran all'

2131- July 5, 1761 Tranquist. L'inch for ingress. Lame place a 9430. I lawers light yellow. Paronychia sessiliflora Mutt. Caryphyll 6 

9432 - July 5, 1961 - Cranquist + noch Holongram Open rocky, a Alips, and in better sail at the 2 dge of the tember, overlooking the east fach of Bull Count; Henry nets. about 25 miles south Manhamille, Gastield to Itale. Tup.315., R.10C., S. 22. Elevation about 10, 300 feet. Flowers warying from burnt red orange through arrange to yellow. Leaves green, not 1 aucous Pseudocymopterus montanus (Ynay) Coult-+ Rose I dan to 1

9 433 - poly 5, 1961 - 100 aguist + 1. ... Holmgren - Same place as 9 432 - Plants varying from distinctly taprosted to more or he so raizomatores, the stender Allow that arise from the taproat often creeping for some holand below-groups. + lawers whitish, the keel previole. topped. astragalus miser Dougl.

var, ablangifolius (Ryolb. 1 Crong.

det. R. C. Barnely,

astragelus miser 5

9999999999999999 9434 - July 5, 1961- Cronquist + Hoel Halingen - apen, rocky, I ranitir slope and to ching the Last book of Bull Creek; Henry Mts, about 25 miles south of Hanksnille, Garfield & Mah Tup. 315, RIOE, S. 22. Elevation about 10,000 feet. Lesquerella tr wardie Wats. Learnella 8

9435 - July 5, 1961 - Cranquist I have Elfolingren - Edg Gol specie works an slope averlooking The east fash of Bull Truck; Harry Mts., about 25 miles south of Hanhanille Garfield Co, Male. Trop 35. R. 10E., about 5.27. Elevation about 10,000 or 10,500 feet. Stems mostly solitary, occasionally 2 or 3 together, nort stender ! lowers blue Mertensia vividis a. Nels. Nels. Mertensia (C/V.

Martin Ma

9436 - July 5, 1961 - Cranquist + Moel Holmgren. Open sprune. woods an slope overlooking the last fork of Bull Creek; Henry Mts., about 25 miles south of Hanhamille, Garfield Co., Utal. Tup 315, R.108, about 507. Elevation about 10,000 or 10,500/46. + lawers light blue. Palemonium pulcherimum Hook. var. delicatum (Rydb.) Crong.

For many DA

7- hely 5, 1961 - 1, anquist + itel Holonguen. Open rocky, losse almost talas. Whe granitic west slope overlawling the last fork of Bull rech; Henry Mes, about 25 miles south Wanhsmile Garfield's. etale. Elevation about 10,000 on 10,500 feet, Trup. 315, RIOE, about 5.27. Plants taproted, and also producing chrentitions Colleging whizenes. Leaves glancous I lamers yellow, Orloyis alpina (Gray) Coult.

Cymosterus (0)

9438-July 5,1961-Cranquist + Moel Holmgen. Same place as 9433. Jeanes somewhat glausous.

Canlanthus glaber (fines)
Ryst.

Dupl. det. Reed C. Rollins

II repeaulting

(3

9439 - July 5, 1961 - Corriquist + Woel Holmpen, Same place as 9437. Fetals yellen, suberest, mad persistent than in some other species of the genus. note only one n! Potentilla pensylvanica L., seus, lat.

1 Potentilla (1)  9440 - July 3,1961 - Cronquist L Noel Holmgren, Some places 7437. + lunes blue. Penstemon watsoni Gray Penstern on

9411 - July 5, Abl insuguist L'alingres. Loose, finely gravelley takes like, granitic west slope on Bull mt; Lenny mets, south of Hanhmille Carfield Co., Utal. Tup 315, 1. 11E, S. 6. Stevation about 8500 feet. Flowers pinkish. Chaenaetis Loughasii (Hook.) H. + A. sens. lat.

Chaenastes 6

1442 - July 5, 1961 - Cranquist +
Most Holingren. Lame place as 9441but - Scattered from
about 8500 to 9100 feet, just
beginning to bloom. Flowers
whitein.

Eriogonum ostlundi Jones

This has since been described as E. coargenitin Bereal

Ener muyer

July 6, 1961 - Cranquist 2 Thomas - Copen, losse, gravelly, granitic south slope a little last of Bull Creek Pass; Henry Mts., about 25 miles south of Hanhamille, Garfield Co., utale Trop. 315. R.10 E. Clevation about 10,500 feet. Flowers white.

Cerastium bersingianum Cham. I Schlecht.

Cerastin D

99999999999999999 9444. July 6, 1961. Cranquist & Moel Holingram With scattered spruce on the summit vidge, just south of Bull Creck Pass; Henry Mits, about 25 miles south of Hanhsville, Garfield Co., utale. Trop. 315., R 10 E. Elevation about 10,500 feet. Retals white. Huckera parifolia Mutt. var. flavescens (Ryolb. IR. B. L. (I) Hustona

9445 - July 6, 1961 Cranquis & Woll Holmgren Rucky, granetee that of the summit vidge a little south of Bull rech Fass; Henry Mets, about 25 miles south of Hanhswille, Garfield Co., Utal. Twp. 315., RIOE. Elevation about 11,000 feet. Plants trefted, not This areatous. Leaves the glaceous. Poa pattersonie Vasey

poa 22

9446 - July 6,1961- Cronquist + Noel Johngoon, Rocky, grantic slope just under the Crest of the summit vidge a little south of Bull Couch Pass: Henry Mits, about 25 miles south of Hankswille, Sarfield Co., Utale. Trap. 35., R. 10E. Elevation about 11,000 feet, Plants tufted, not rhizomatous Carex hapburnin Boott apparently new to letale

Hisel Holmgren - Open, worky,

granitic exest of the risge

leading morthest from the tops

black Wite; La Sal Mits.,

southeast 1/ Most, San from

Co. Wah. Trup. 275, R. 24E, S. 34.

Slevation about 11, 000 feet.

Cermenteres leadersonic (Coult.

Cymopterus hendersonie (Coult. + Rose) Crong. (= Ptenysia h.)

· Splins

Cymopteres 3/

\*\*\*\*\*\* 9448 - pely 8, 1961 Cranquest I Wolf to Engry - Mrist slope along the widge leading northest from the court of South mt.; La Sal Mets, southeast of Moal, San franco. utale Terp. 285, R. 248., about 5.2. Elevation about 11, 3 oo feet. Flowers white, Saxifraga rhomboidea Greene In: loans

9449 - July 9, 1961 - Cranquist + Noel Holingren. Rocky ( granite & shale) ridge- tops in first saddle along theritge leading west from the summit of Mit. Peale. La Sal Mits., south east of Moat, son Juan Co, which. Tup. 275, R. 24E, S.24. Elevation 12, 600 feet, Flowers yellow. Geum rossii (R. Br.) Ser. var. turbinatum (Rydb.) C. L. Diling and

Him morrie 5

\*\*\*\*\*\*\*\*\* 9450 - July 9, 1961 - Cranquist + Noel Holmgren Sameplace as 9449 - Plants farming lease mats. Flowers whotesh, with laverder lines. Trifolium nanum Torr.

1 - July 9,1961 - Conquist & Noel Holingion - Same place as 9449 - Plants forming dense cushion mate. Flowers lanender - purple, Silene acaulis L.

10 - 100

Libere a carlis D

9452 - July 9, 1961 - Cranquist & Moel Holmgren. Rocky, granitic slopes and ridgetops along the ridgeleading west from the summit of Mt. Peale; In Sal Mits, southesst of Moat, San Juan Co, Male Trap. 275, R. 24E, S. 23. Elevation 12. 400 feet. Well scattered over the upper slopes of the mountain, up to the summit cain. Kupmortly 25-38, lavender at first, becaming Evigeren wagus Payson Figuren 12 7100 (B)

- July 9, 1961- varquist + Tall Holmgren - along the nuchy grantic crest of the ridge leading from Mit. Plat toward Mt. Millenthin and Mit, Tukuhnikivat; La Sal Mts., southeast of Most, Lan Juan Co., Utah. Trup. 275., R. 248., S. 23. Elevation 12, 200 feet. Heads yellow. Not abundant. Erigeron mancus Kydl. 1) 200 Trigeran muncus (1)  9454 - July 9,1961 - Coorguist + Moel Holmgren - Same place as 153. Plants forming deuse Cleshion-mats. Flavor white Cirenaria obtusiloba (Kydb,) Fern. a he be a ryine i 3V

+ noel Holongren Same place as 9453.

Oreoxis bakeni Coult. & Rose

(ple yellow?)

3) V V

9456 - July 9, 1961 - Cranquist + Noel Holmgren - Same Hace as 9453. Spiles appearing blackish. Plants only loosely trefted, with short origones. Caret albonigra Mack. . In I haven a

9037 July 9, 1961 - Cranquist + Noil Holingsen . Sange Gravelly, granitic suljust under the crest of the ridge leading from Mt. Peale toward mt. mellenthin and mt. Tukuhnikinatz; La Sal Mts., southeast of Moal, San Juan Co., Utal. Twp. 275, 12.245. 5.23. Elevation 12, 200 feet-Plants densely trefted, not This mateus. Carex elynoides Holm

dwarf cares 16

9458-July9,1961- Orongnist + Noch Holingen - Same place as 9453. Flaversoned-purple. Trifolium dasyphyllum Ton.

9-19- July 9, 1961 - anquist + Mare Holmgoon - Gravelly, granitic soil along the crest of the ridge of \$53. Eract dull be remish purpos toward the lase light yellow to distally. Castilleja occidentalis tor. Supl. Let. Marionountry Cartillyin (b)  9.463 - July 9, 1961 - Cranquist + Val Holmquen - Mist, gravelly, granitic soil of saddle between Mt. Peale and Mt, Tukuhnikivatz, at the south end of the ridge leading to Mt, Mellenthin, La Sal Mts., Locatheast of Moal, San Juan Co., utal. Tup. 275, R. 248, 5, 23. Elevation 12, 200 feet. Flaver white. Saxifraga rhombårdea Greene intern 3/

1 1 med Holmgren - Same place is 9 460. Flowers lavender,

Trifolium parnyi Gray



9462 - July 9, 1961 - Cranquist + Noel Holmgren - Granelly, granitic sail alway the crest of the ridge leading from Mt. Peale to Mt. Mellenthin and Met. Tuckuhnikivat. La Sal Mets, southeast of Moal, Grand Co, Utah. Trys 275. R. 2 48., S. 23. Elevation 12, 200 feet Planers yellow. Potentilla nivea L. Potentille @

29 3- July 9 1901 Coorguist 009460. artemisia scopulorum Gray

artimisia (3) V

9464- July 9, 1961. Cranquist + noet Holingen - Samplace as 9453. Headsyellan. Rays mostly about 13. Senecio fremontii T. & G. var. blitoides (Greene Crong. · cutic Q

9465 - July 9, 1961- Cronquist

1 12 Horingen - Some place
us 945 3. Well scattered over
the upper reaches of the mountain,
up to the summit caire.

Plants mephitic. Flowers blue.

Polemorium viscosum Mutt.

Polemenium veser zur 6

9466- July 10, 1961- Cranquist + Noel Holingran. Moist meadow about Medicine Lake, just east of fa Sal Pass, La Sal Mts, southbast of Moat, San Juan Co., Utale, Tup. 275., R. 24E., S. 35. Elevation 10, voo feet. Plants single - stemmed. Disk arange. Rays yellow, 6-13, after 13. Senecio dimorphophyllus Greene var, intermedius T. M. Barkley Leneris bimorphy hyllus (35)

7-167 - July 1051961- Cronquist + " oel Holmgren - Edges of timber around meadow mes medicine take, just cost if to Sal Pass; La Sal wets., southeast of Most, San Juan Co., Wach. Try. 275, 8.2.48., S. 26. Elevation 10, roofeet. Brails light yellar Castilleja sulphusea Ryth. Dupl. det. Marian aunley

Castilleja (15)

11199999999999999999999 9468 July 10,1961. Lame placeas 9466, Flores lavender or lavender-purple Trifolium kingii Wats., sens. lat. 12 ver (12) V

9469 - July 10,1961- Granquet & Moel Holmgren. Moist soil and edge of timber around mea im at Medicine Lake, just east of Indal Pass; fa fal mts., southeast of moal, R.24 E., S. 35. Elevation 10,000 feet. Stems cluste. Lon a large, soft taprest. F. Couls Mertensia franciscana Heller Will attrace (13)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

9470 - July 10, 1961-Com quist + Noel Holmgoen - Open, gravelly, granitic south slope over. looking Medicine Lake, just last of fa Sal Pass; fa Sal Mits., southeast of Moab, Ian Juan Co., Utali. Trop. 275., R. 248., 5. 26. Elevation 10, 400 feet. Rays 53-107 (based on several counts), white to occasionally lavender, Erigeren flagellais Gray - 12. 15m Pagellaris

2 Noel Holmgren. Same place as 9470. Flamers blue, Penstemon strictus Benth

Pensteman (I) 

9472-July 10, 1961-Cranquist + Noel Holmgren. Lame place is 9470. Should arely 2-4 In tall. Flavers pinh, some. times very rale. Rosa nuthana Presl. war. hispida Fern.

P. sa (10) V

3 - July 10, 1961 - Cranquist + Noel Holmgren - Sameplace 239470 - but elevation 10,300 feet. Flowers bright red, the limb red and white - spechled. Plants maplities, mostly flow eving only once, but sametimes surviving to flower a second Gilia aggregata (Pursh) Spreng. var. aggregata

Lilia aggregate DV

9474 - July 10, 1961 - Cranquist in dry meadow mear medicine Lake, just east of La Sal Paso; fa Sal Mits, southeast of moal, San Juan Co., Utah. Twp. 275, R. 2 45., 5.26. Elevation 10,000 feet. Plants single stemmed, viscial. Petals dull purplish, shallowly notched at the tip. Tychnis drummondii (Horh.) & Wats. var. stricta (Rydl.) Magnine det Bassett Magnise 5368 Silane (5) 1

315,108 22/23 27 26 9474 H. grandibloop 20-35 rays 9475 - Draha - takes " 11,5702 9476 - Caren- texteding 1 9477 breed of Pabent small seepage 9478 hybrid Streamend under three 9479 named Blast of mt. 11,000 feet 9480 - Senecis 10,800, (8) 9481- Polemanium (C) 92001- 5.36 9482 - Aliania D-white - 520. 8500' THE PREPERTURE



